

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of claims:

1. (currently amended) A rubber thread composition for a thread-wound golf ball containing a natural rubber and a synthetic isoprene rubber, said synthetic isoprene rubber having a cis-1,4 bond content of at least 90 %, a molecular weight distribution measured by gel permeation chromatography of said synthetic isoprene rubber having only a single peak, and a ratio M_w/M_n between a weight-average molecular weight M_w of said synthetic isoprene rubber and a number-average molecular weight M_n thereof being 2.5-3.7.

2. (currently amended) The rubber thread composition for a thread-wound golf ball according to claim 1, wherein a mixture ratio between said natural rubber and said synthetic isoprene rubber is 20/80-80/20 from 20/80 to 80/20.

3. (currently amended) A rubber thread produced by shaping the rubber thread composition recited in claim 1 for a thread-wound golf ball containing a natural rubber and a synthetic isoprene rubber, said synthetic isoprene rubber having a cis-1,4 bond content of at least 90 %, a molecular weight distribution measured

by gel permeation chromatography of said synthetic isoprene rubber having only a single peak, and a ratio Mw/Mn between a weight-average molecular weight Mw of said synthetic isoprene rubber and a number-average molecular weight Mn thereof being 2.5-3.7
into a sheet, vulcanizing the sheet and cutting the sheet into threads.

4. (currently amended) A thread-wound golf ball comprising a center, a thread-wound core formed by winding ~~the~~ a vulcanized rubber thread ~~recited in claim 3 for a thread-wound golf ball~~ containing a natural rubber and a synthetic isoprene rubber, said synthetic isoprene rubber having a cis-1,4 bond content of at least 90 %, a molecular weight distribution measured by gel permeation chromatography of said synthetic isoprene rubber having only a single peak, and a ratio Mw/Mn between a weight-average molecular weight Mw of said synthetic isoprene rubber and a number-average molecular weight Mn thereof being 2.5-3.7 around the center, and a cover wrapping the thread-wound core.

5. (new) The rubber thread composition of claim 1 having a weight-average molecular weight (Mw) of the synthetic isoprene rubber of $1.0 \times 10^6 \sim 5.0 \times 10^6$.

6. (new) The rubber thread composition of claim 1 having a number-average molecular weight (M_n) of the synthetic isoprene rubber of $5.0 \times 10^5 \sim 15.0 \times 10^5$.

7. (new) The rubber thread composition of claim 1 having a weight-average molecular weight M_w of the synthetic isoprene rubber of $1.0 \times 10^6 \sim 5.0 \times 10^6$ and a number-average molecular weight M_n of the synthetic isoprene rubber of $5.0 \times 10^5 \sim 15.0 \times 10^5$.